

L11 ANSWER 42 OF 71 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1987:219600 CAPLUS
 DOCUMENT NUMBER: 106:219600
 TITLE: Hypocholesteremic compositions containing
ascorbic acid and pectin
 INVENTOR(S): Aroch, Milorad; Ginter, Emil
 PATENT ASSIGNEE(S): Czech.
 SOURCE: Czech., 5 pp.
 CODEN: CZXXA9
 DOCUMENT TYPE: Patent
 LANGUAGE: Slovak
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	CS 228809	B	19840514	CS 1982-6634	19820915
AB	The therapeutical effect of ascorbic acid (I) is potentiated by pectin . Cachets contg. a mixt. of powd . pectin 40, sorbitol 40, citric acid 10, NaHCO ₃ 9, and I 1 parts were prepd. and the content was ingested with water, milk, or jam. Daily administration of 15 g pectin and 450 mg I for 6 wk to 11 hyperlipemic patients and 21 healthy subjects produced 18.7% and 8.6% decrease of total cholesterol, resp.				
IT	9000-69-5, Pectin RL: BIOL (Biological study) (hypocholesteremic compn. contg. ascorbate and)				
IT	50-81-7, Ascorbic acid , biological studies RL: BIOL (Biological study) (hypocholesteremic compn. contg. pectin and)				

L11 ANSWER 67 OF 71 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1952:31022 CAPLUS
 DOCUMENT NUMBER: 46:31022
 ORIGINAL REFERENCE NO.: 46:5270g-h
 TITLE: Stabilizing **ascorbic acid** with
 thio-sugars
 INVENTOR(S): Opplt, Jan
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	US 2585580		19520212	US	
AB	Thiogluucose 5, Na ₄ P ₂ O ₇ 6, citric acid 35, and PhNHAc 0.15 g. are dissolved in H ₂ O 100 g. and mixed with sucrose 100 and potato starch 450 g. The dried powder is sufficient to stabilize the ascorbic acid (I) in 100 l. of natural material, such as fruits, vegetables, and meats. The stabilizer thickens juices and jams in the same way as pectin . I in medicaments is stabilized by thiogluucose 40, Na ₄ P ₂ O ₇ or adenosine triphosphoric acid 50, and PhNHAc				
0.3	mg./g. of I. For injection solns. of I stored in sealed glass tubes, thiogluucose 2.3 and adenosine triphosphoric acid 2.7 mg./100 ml. soln. is sufficient.				

L22 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1989:625338 CAPLUS

DOCUMENT NUMBER: 111:225338

TITLE: Composition and process for promoting epithelial regeneration using vitamin C, zinc salt, and sulfur amino acid

INVENTOR(S): Fahim, Mostafa S.

PATENT ASSIGNEE(S): USA

SOURCE: Eur. Pat. Appl., 18 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 314835	A1	19890510	EP 1987-116429	19871106
EP 314835	B1	19920429		
R: BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
CA 1291034	A1	19911022	CA 1987-549656	19871019
PRIORITY APPLN. INFO.:			EP 1987-116429	19871106
AB	Epithelial tissue is treated with a compn. comprising vitamin C, a zinc salt, and a S amino acid in an amt. sufficient to stimulate cell proliferation and new cell formation. The medication may addnl. contain			
a	mucopolysaccharide and/or a polysaccharide. A pinkeye powder was made from vitamin C 5, zinc sulfate heptahydrate 1g, keratin sulfate 100 mg, and cysteine 2g and packaged in Al foil for soln. in 100 mL of sterilized water to which is added 2 wt. % pectin and 0.05% benzalkonium chloride to make an eye spray. Infected cattle were treated by spraying 5 strokes of the spray into each eye for 2 days. After 5-7 days, 269/280 of the animals were normal. The remaining 11 were treated for 4 days and became normal after 10 days.			
IT	50-81-7, Vitamin C, biological studies 134-03-2, Sodium ascorbate 9000-69-5, Pectin			
	RL: BIOL (Biological study)			
	(epithelial regeneration compn. contg.)			

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ACCESSION NUMBER: 2001:698987 CAPLUS
DOCUMENT NUMBER: 135:231687
TITLE: Preparation and application of oral hyaluronic acid
skin-beautifying health care product
INVENTOR(S): Ling, Peixue; He, Yanli; Li, Xiaoping
PATENT ASSIGNEE(S): Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 11 pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
CN 1285193	A	20010228	CN 1999-112374	19990818
AB	A tablet is composed of hyaluronic acid 1-100, vitamin C 0-10, beta-carotene 0-4, vitamin E 0-4, superoxide dismutase 0-1, lactose 0-30, starch 0-25, Ca ₃ (PO ₄) ₂ 0-3, microcryst. cellulose 0-25, silica gel micropowder 0-3, tartaric acid 0-1, Mg stearate 0-1 g, and vitamin A			
0-400	kIU. A capsule is composed of hyaluronic acid 1-100, vitamin C 0-10, beta-carotene 0-2, vitamin E 0-2, superoxide dismutase 0-1, lactose 0-35, starch 0-25, glucose 0-25, Ca ₃ (PO ₄) ₂ 0-3, microcryst. cellulose 0-25, tartaric acid 0-1 g, and vitamin A 0-400 kIU. An oral soln. is composed of hyaluronic acid 0.01-1, vitamin C 0-2, beta-carotene 0-1, vitamin E 0-0.2, superoxide dismutase 0-0.1, benzoic acid or its Na salt 0-0.1, 4-hydroxybenzoate 0-0.25, sorbic acid 0-0.2, acacia 0-15, pectin 0-5, Na alginate 0-10, Tween 0-5, Span 0-5, syrup 0-1, mint oil 0-0.3 g, and water to 100 mL.			

ACCESSION NUMBER: 2000:304244 CAPLUS
 DOCUMENT NUMBER: 132:313728
 TITLE: Chewable **tablets** based on gums, candy or
 caramel and process for their preparation
 INVENTOR(S): Lee, Young Won
 PATENT ASSIGNEE(S): Sae Han Pharm Co., Ltd., S. Korea
 SOURCE: U.S., 6 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6060078	A	20000509	US 1998-161904	19980928

AB The present invention relates to a chewable **tablet** contg. a
 medicament in a core and a process for prepn. thereof. In particular,
 the present invention relates to a chewable **tablet** comprising a core
 contg. a medicament in the center of the **tablet** in a state of
 jelly or chewable base and an outer layer wrapping the core which is made
 up of chewable base such as a gum, a soft candy, or a caramel. The
 chewable **tablet** is easy to take and has a good taste and nice
 chewing property due to the unique **tablet** form. In addn., the
tablet has an advantage in bioavailability resulting from
 increased absorption rate and excellent stability due to unique prepn.
 process. Therefore, the chewable **tablet** and the prepn. process
 of the present invention can be used in pharmaceutical industry.

Chewable **tablets** contg. dimenhydrinate, meclazine-HCl, acetaminophen,
 aspirin, phenylpropanolamine-HCl, cetylpyridinium chloride, medicinal
 plant exts., and vitamins were prepd. showing good stability.

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

ACCESSION NUMBER: 2000:316773 CAPLUS
 DOCUMENT NUMBER: 132:321415
 TITLE: **Powdery** nutrient compositions containing
 gelling agents for dysphagia (difficulty in
 swallowing) patients
 INVENTOR(S): Ito, Mizuki; Iwamura, Sadaki
 PATENT ASSIGNEE(S): Nippon Oil and Fats Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000135070	A2	20000516	JP 1998-311297	19981030

AB The **powdery** compns., which are made into paste, jellies,
 sherbet, etc. by controlling amts. of water added, contain (A) proteins
 and/or their hydrolyzates 5-50, (B) carbohydrates 20-80, (C) fats 5-50,
 (D) .gtoreq.1-gelling agent selected from gelatin, **pectin**, and
 alginic acid (1-10), (E) vitamins 0-10, and (F) minerals 0-15%. A
 spray-dried **powder** contg. soybean oil 20.28, lecithin 0.26, Na
 caseinate 0.65, Na3PO4 0.03, dextrin 4.78, and gelatin 3.0 g was mixed
 with another mixt. contg. milk proteins 20.0, sucrose 22.0, dextrin 20.4,
 vitamin mix. 0.1, mineral mix 6.5, and milk flavor 2.0 g to give a
powdery nutrient compn. The compn. (50 g) was dissolved in 120 g
 H2O, and the soln. was cooled or frozen to give a jelly or a sherbet.

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L11 ANSWER 29 OF 71 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1993:471301 CAPLUS

DOCUMENT NUMBER: 119:71301

TITLE: A **powdered** vitamin and mineral supplemented health drink with immunostimulatory and radioprotective properties

INVENTOR(S): Yatsula, Grigoriy S.; Ivanisenko, Valentina G.; Mashchenko, Andrej N.; Poznanskij, Andrej M.; Volkova,

Tatyana G.; Mashchenko, Nikolaj P.; Cherednichenko, Vera P.; Omelyanenko, Ekaterina D.; Maglevannaya, Nataliya V.

PATENT ASSIGNEE(S): Ki gi usovershenstvovaniya vrachej, USSR; Ki proizv ob

SOURCE: po vypusku bezalkogolnykh napitkov "rosinka" U.S.S.R. From: Izobreteniya 1992, (46), 16. CODEN: URXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Russian

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
SU 1780699	A1	19921215	SU 1989-4755160	19891030

AB A drink **powder** that is reconstituted to give a health drink with radioprotective, immunostimulatory, and hematopoietic effects is described. The **powder** has the compn.: ascorbic acid 0.03-3.00, rutin 0.03-3.00, cyanocobalamin (vitamin B12) 0.00012-0.012, .alpha.-tocopherol acetate 0.0003-0.03, iron sulfate 0.003-0.30, magnesium oxide 0.05-5.00, zinc sulfate 0.005-0.05, copper sulfate 0.0005-0.05, **pectin** 15.00-25.00, tartrazine 0.003-0.006, plum essence 0.50-1.00, tartaric acid 1.00-1.40 wt.% with the balance sucrose.

L11 ANSWER 28 OF 71 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:283552 CAPLUS

DOCUMENT NUMBER: 126:268516

TITLE: Anti-cholesterol food supplement containing
pectin, lactose, lucerne, and calcium

INVENTOR(S): Belisle, Ghislain

PATENT ASSIGNEE(S): Belisle, Ghislain, Can.

SOURCE: Can. Pat. Appl., 5 pp.

CODEN: CPXXEB

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
	CA 2151975	AA	19961217	CA 1995-2151975	19950616
AB	An anti-cholesterol food supplement (Regulex Plus 21) contg. pectin powder 50, lactose 25, lucerne powder 10, calcium powder 10, and vitamin C powder 5% is claimed (no data).				

(FILE 'HOME' ENTERED AT 12:25:33 ON 28 FEB 2002)

FILE 'REGISTRY' ENTERED AT 12:28:15 ON 28 FEB 2002

L1 3088 S L-ASCORBIC ACID

L2 28 S VITAMIN C

FILE 'CAPLUS' ENTERED AT 12:32:34 ON 28 FEB 2002

S 50-81-7/REG# OR ASCORBIC ACID OR ADENEX OR ALLERCORB OR ANTIS

FILE 'REGISTRY' ENTERED AT 12:40:03 ON 28 FEB 2002

L3 1 S 50-81-7/RN

FILE 'CAPLUS' ENTERED AT 12:40:06 ON 28 FEB 2002

L4 44116 S L3

L5 76955 S L4 OR ASCORBIC ACID OR ADENEX OR ALLERCORB OR ANTISCORBIC VIT

S 9000-69-5/REG# OR PECTIN OR PECTINASE OR METHOXYPECTIN OR SPL

FILE 'REGISTRY' ENTERED AT 12:40:53 ON 28 FEB 2002

L6 1 S 9000-69-5/RN

FILE 'CAPLUS' ENTERED AT 12:40:55 ON 28 FEB 2002

L7 7898 S L6

L8 21770 S L7 OR PECTIN OR PECTINASE OR METHOXYPECTIN OR SPLENDID OR USP

L9 716377 S TABLET OR TABLET? OR GRANULE? OR POWDER?

L10 71 S L5 AND L8 AND L9

L11 71 DUP REM L10 (0 DUPLICATES REMOVED)

FILE 'REGISTRY' ENTERED AT 13:03:03 ON 28 FEB 2002

L12 2171 S STEARIC ACID

L13 1 S COMPRITOL 888

L14 6 S SODIUM ASCORBATE

=> s 134-03-2 or ascorbate or natri-c or ck 40 or ascorbin

1 134-03-2

(134-03-2/RN)

334 ASCORBATE

2129 NATRI

1173026 C

1 NATRI-C

(NATRI(W)C)

371 CK

49 CKS

420 CK

(CK OR CKS)

42437 40

1 CK 40

(CK(W)40)

6 ASCORBIN

L15 337 134-03-2 OR ASCORBATE OR NATRI-C OR CK 40 OR ASCORBIN

=> s 18641-57-1 or compritol

1 18641-57-1

(18641-57-1/RN)

4 COMPRITOL

L16 4 18641-57-1 OR COMPRITOL

=> s l11 and l15 and l16 and (sucrose or cellulose or starch)
L11 CANNOT BE SEARCHED IN REGISTRY
The L-number cannot be used because it does not contain a query.
Enter DISPLAY HISTORY to see the sequence of commands that created
this L-number.

=> FIL CAPLUS

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	62.16	242.54
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-21.68

FILE 'CAPLUS' ENTERED AT 13:10:32 ON 28 FEB 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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ANSWER 840 OF 851 REGISTRY COPYRIGHT 2002 ACS

RN 9000-69-5 REGISTRY

CN Pectin (9CI) (CA INDEX NAME)

OTHER NAMES:

CN AF 701

CN Cesapectin

CN Colyer pectin

CN D-D Slowset

CN Genu JMJ 100

CN Genu Pectin L 200

CN Genu Pectin LM 101AS

CN Genu Pectin LM 104AS

CN Genu Pectin LM 104AS-FS

CN Genu Pectin LM 18CG-Z

CN Genu Pectin X 0905

CN Genu Pectin YM 100

CN H&F Pectin Classic AF 701

CN LM 12CG-Z

CN LMNA/P 3450NA95

CN Marpee NL

CN Marpee OM

CN Methoxypectin

CN Methyl pectin

CN Methyl pectinate

CN MexPec 1400

CN Mexpectin XSS 100

CN Pectin 1694

CN Pectin JM 150JN

CN Pectinate

CN Pectinic acid

CN Pectins

CN Splendid 200

CN Splendid

CN Unipectin

CN Unipectine 3450NA95

CN Unipectine RS 150.degree. SAG

CN USP 100

DR 9046-41-7, 9047-18-1

MF Unspecified

CI PMS, COM, MAN

PCT Manual registration, Polyother, Polyother only

LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CS

SCHEM,

DDFU, DIOGENES, DRUGU, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, TOXCENTER, TOXLIT, TULSA, USAN, USPAT2, USPATFULL, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

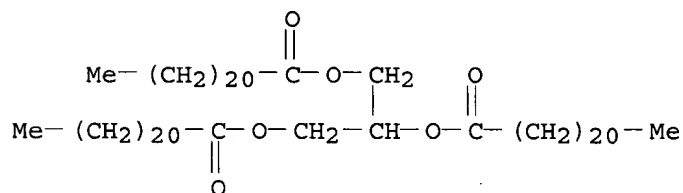
7860 REFERENCES IN FILE CA (1967 TO DATE)

402 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

7870 REFERENCES IN FILE CAPLUS (1967 TO DATE)

6287598
6136347
6123963

L13 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
 RN 18641-57-1 REGISTRY
 CN Docosanoic acid, 1,2,3-propanetriyl ester (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Docosanoin, tri- (7CI, 8CI)
 OTHER NAMES:
 CN Behenic acid triglyceride
 CN Compritol 888 ATO
 CN Compritol ATO 888
 CN Glycerin tribehenate
 CN Glyceryl behenate
 CN Glyceryl tribehenate
 CN Syncrowax HRC
 CN Syncrowax HRS
 CN Tribehenin
 CN Tribehenoylglycerol
 CN Tridocosanoin
 FS 3D CONCORD
 DR 146393-62-6, 208714-56-1, 217644-00-3
 MF C69 H134 O6
 CI COM
 LC STN Files: ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,
 CANCERLIT, CAOLD, CAPLUS, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU,
 EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, PROMT, RTECS*, SPECINFO,
 TOXCENTER, TOXLIT, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

303 REFERENCES IN FILE CA (1967 TO DATE)
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 305 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L14 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2002 ACS

RN 134-03-2 REGISTRY

CN L-Ascorbic acid, monosodium salt (8CI, 9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Ascorbic acid, sodium deriv. (6CI, 7CI)

OTHER NAMES:

CN 3-Oxo-L-gulofuranolactone sodium

CN Ascorbic acid sodium salt

CN Ascorbicin

CN Ascorbin

CN ASK-P 10KR

CN Cebitate

CN Cenolate

CN CK 40

CN CK 40 (ascorbate)

CN HBL 508

CN Iskia-C

CN L-Ascorbic acid sodium salt

CN **Monosodium ascorbate**

CN Natrascorb

CN Natri-C

CN Sodascorbate

CN **Sodium ascorbate**

CN Sodium L-ascorbate

CN Vitamin C sodium

FS STEREOSEARCH

DR 129940-98-3, 156683-68-0

MF C6 H8 O6 . Na

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,

BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DIOGENES, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MRCK*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, TOXCENTER, TOXLIT, USAN, USPAT2, USPATFULL

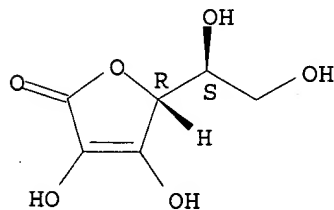
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Other Sources: DSL**, EINECS**, TSCA**, WHO

(**Enter CHEMLIST File for up-to-date regulatory information)

CRN (50-81-7)

Absolute stereochemistry.



● Na

L2 ANSWER 28 OF 28 REGISTRY COPYRIGHT 2002 ACS

RN 50-81-7 REGISTRY

CN L-Ascorbic acid (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN (+)-Ascorbic acid

CN 3-keto-L-Gulofuranolactone

CN 3-Oxo-L-gulofuranolactone

CN Adenex

CN Allercorb

CN Antiscorbic vitamin

CN Antiscorbutic vitamin

CN Ascoltin

CN Ascorbajen

CN Ascorbic acid

CN Ascorbutina

CN Ascorin

CN Ascorsteal

CN Ascorvit

CN C-Quin

CN C-Vimin

CN Cantan

CN Cantaxin

CN Catavin C

CN Ce-Mi-Lin

CN Ce-Vi-Sol

CN Cebicure

CN Cebion

CN Cebione

CN Cecon

CN Cegiolan

CN Ceglion

CN Celaskon

CN Celin

CN Cemagyl

CN Cenetone

CN Cereon

CN Cergona

CN Cescorbat

CN Cetamid

CN Cetemican

CN Cevalin

CN Cevatine

CN Cevex

CN Cevimin

CN Cevital

CN Cevitamic acid

CN Cevitamin

CN Cevitan

CN Cevitex

CN Chewcee

CN Ciamin

CN Cipca

CN Citrovit

CN Colascor

CN **Vitamin C**

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY

FS STEREOSEARCH

DR 56533-05-2, 57304-74-2, 57606-40-3, 56172-55-5, 129940-97-2, 14536-17-5,
50976-75-5, 154170-90-8, 89924-69-6, 30208-61-8, 259133-78-3

MF C6 H8 O6

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,

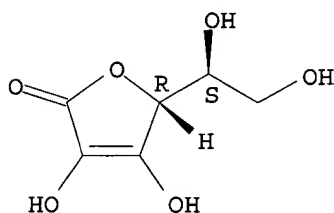
BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSChem, CSNB, DDFU, DETHERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PHAR, PHARMASEARCH, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TOXLIT, TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VETU, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**, WHO

(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

43785 REFERENCES IN FILE CA (1967 TO DATE)

1111 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

43887 REFERENCES IN FILE CAPLUS (1967 TO DATE)

12 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=>

L6 ANSWER 1018 OF 1029 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 9000-69-5 REGISTRY
 CN **Pectin (9CI)** (CA INDEX NAME)
 OTHER NAMES:
 CN AF 701
 CN **Beta-Pectin**
 CN **Cesapectin**
 CN Classic AF 501
 CN **Colyer pectin**
 CN D-D Slowset
 CN **Genu Beta pectin**
 CN Genu JMJ 100
 CN **Genu Pectin L 200**
 CN **Genu Pectin LM 101AS**
 CN **Genu Pectin LM 104AS**
 CN **Genu Pectin LM 104AS-FS**
 CN **Genu Pectin LM 105AS**
 CN **Genu Pectin LM 18CG-Z**
 CN **Genu Pectin LM 85AS**
 CN **Genu Pectin USP-H**
 CN **Genu Pectin X 0905**
 CN **Genu Pectin YM 100**
 CN **H&F Pectin Classic AF 701**
 CN LM 104AS-FS
 CN LM 12CG-Z
 CN LM-SN 325
 CN LMNA/P 3450NA95
 CN Marpee NL
 CN Marpee OM
 CN **Methoxypectin**
 CN **Methyl pectin**
 CN **Methyl pectinate**
 CN MexPec 1400
 CN **Mexpectin XSS 100**
 CN OF 305
 CN **Pectin 1694**
 CN **Pectin JM 150JN**
 CN **Pectinate**
 CN **Pectinic acid**
 CN **Pectins**
 CN Red Ribbon 3G
 CN Slendid 200
 CN Slendid L 200
 CN SM 478
 CN Splendid
 CN **TIC PRETESTED Pectin Pre-hydrated 1694 Powder**
 CN **Unipectin**
 CN **Unipectine 150RS150C**
 CN **Unipectine 3450NA95**
 CN **Unipectine AMP 285**
 CN **Unipectine RS 150.degree. SAG**
 CN USP 100
 CN VIS TOP D 2122
 CN YM 115H
 DR 9046-41-7, 9047-18-1
 MF Unspecified
 CI PMS, COM, MAN
 PCT Manual registration, Polyother, Polyother only
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,
 CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN,
 CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB,
 IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA,
 PROMT, RTECS*, TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VTB

(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

10910 REFERENCES IN FILE CA (1947 TO DATE)

454 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

10912 REFERENCES IN FILE CAPLUS (1947 TO DATE)

L6 ANSWER 1003 OF 1029 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 9032-75-1 REGISTRY
 CN Polygalacturonase (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Aromazyme
 CN Bio Prep L
 CN Bioliva
 CN **Biopectinase CT**
 CN **Biopectinase L**
 CN Biopectosanase
 CN Bioprep
 CN Boerozym M 5
 CN Cellulosin ME
 CN Cellulosin PE 60
 CN Citrozym Premium
 CN Clarex
 CN Crystalzyme PML-MX
 CN D-Galacturonase
 CN E.C. 3.2.1.15
 CN Endo-D-galacturonanase
 CN Endo-D-galacturonase
 CN Endo-D-polygalacturonase
 CN endo-Polygalacturonase
 CN Endogalacturonanase
 CN **Endopectinase**
 CN Endopolygalacturonase
 CN Endopolygalacturonate lyase
 CN Endopolygalacturonic acid lyase
 CN **Exopectinase**
 CN Frimapec TL470
 CN Fructozym BE
 CN Fructozym Color
 CN Fructozym M
 CN Fructozym MAX-Press
 CN Fructozym S-Press
 CN Genelase
 CN **Grindamyl CA pectinase**
 CN **Grindamyl Pectinase LM**
 CN **Grindamyl Pectinase LX**
 CN Kleerase 200XL
 CN Klerzyme
 CN Klerzyme Color
 CN Lyvelin
 CN Macer8 FJ
 CN Macer8 R
 CN Macerozyme 2S
 CN Macerozyme R 200
 CN Maxoliva
 CN Novoferm 12
 CN Pectic depolymerase
 CN Pectic hydrolase
 CN **Pectin depolymerase**
 CN **Pectin hydrolase**
 CN **Pectin polygalacturonase**
 CN **Pectinase**
 CN **Pectinase 444L**
 CN **Pectinase AT**
 CN **Pectinase CEP**
 CN **Pectinase G Amano**
 CN **Pectinase GODO**
 CN **Pectinase HL**
 CN **Pectinase P 2401**
 CN **Pectinase PCL 5**

CN Pectinase PL
CN Pectinase SS
CN Pectinase WL Extraction
CN Pectinex BE
CN Pectinex Ultra JP-L
CN Pectinol
CN Protopectinase SE
CN Protopectinase SE 1

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY

AR 152923-50-7, 152923-51-8

DR 141176-96-7, 146240-14-4, 107397-63-7, 205265-50-5

MF Unspecified

CI COM, MAN

LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA,
CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHM, CSNB,
EMBASE, IFICDB, IFIPAT, IFIUDB, MSDS-OHS, NAPRALERT, PIRA, PROMT,
TOXCENTER, USPAT2, USPATFULL

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

L11 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 9000-69-5 REGISTRY
 CN **Pectin (9CI)** (CA INDEX NAME)
 OTHER NAMES:
 CN AF 701
 CN Beta-Pectin
 CN Cesapectin
 CN Classic AF 501
 CN Colyer pectin
 CN D-D Slowset
 CN Genu Beta pectin
 CN Genu JMJ 100
 CN Genu Pectin L 200
 CN Genu Pectin LM 101AS
 CN Genu Pectin LM 104AS
 CN Genu Pectin LM 104AS-FS
 CN Genu Pectin LM 105AS
 CN Genu Pectin LM 18CG-Z
 CN Genu Pectin LM 85AS
 CN Genu Pectin USP-H
 CN Genu Pectin X 0905
 CN Genu Pectin YM 100
 CN H&F Pectin Classic AF 701
 CN LM 104AS-FS
 CN LM 12CG-Z
 CN LM-SN 325
 CN LMNA/P 3450NA95
 CN Marpee NL
 CN Marpee OM
 CN Methoxypectin
 CN Methyl pectin
 CN Methyl pectinate
 CN MexPec 1400
 CN Mexpectin XSS 100
 CN OF 305
 CN Pectin 1694
 CN Pectin JM 150JN
 CN Pectinate
 CN Pectinic acid
 CN Pectins
 CN Red Ribbon 3G
 CN Slendid 200
 CN Slendid L 200
 CN SM 478
 CN Splendid
 CN TIC PRETESTED Pectin Pre-hydrated 1694 Powder
 CN Unipectin
 CN Unipectine 150RS150C
 CN Unipectine 3450NA95
 CN Unipectine AMP 285
 CN Unipectine RS 150.degree. SAG
 CN USP 100
 CN VIS TOP D 2122
 CN YM 115H
 DR 9046-41-7, 9047-18-1
 MF Unspecified
 CI PMS, COM, MAN
 PCT Manual registration, Polyother, Polyother only
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,
 CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN,
 CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB,
 IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA,
 PROMT, RTECS*, TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VTB
 (*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

10910 REFERENCES IN FILE CA (1947 TO DATE)

454 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

10912 REFERENCES IN FILE CAPLUS (1947 TO DATE)

=>

L12 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

RN 50-81-7 REGISTRY

CN L-Ascorbic acid (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN (+)-Ascorbic acid

CN 3-keto-L-Gulofuranolactone

CN 3-Oxo-L-gulofuranolactone

CN Adenex

CN Allercorb

CN Antiscorbic vitamin

CN Antiscorbutic vitamin

CN Ascoltin

CN Ascorbajen

CN Ascorbic acid

CN Ascorbicap

CN Ascorbutina

CN Ascorin

CN Ascorteal

CN Ascorvit

CN C-Quin

CN C-Vimin

CN Cantan

CN Cantaxin

CN Catavin C

CN Ce-Mi-Lin

CN Ce-Vi-Sol

CN Cebicure

CN Cebion

CN Cebion, .gamma.-lactone

CN Cebione

CN Cecon

CN Cegiolan

CN Ceglion

CN Ceklin

CN Celaskon

CN Celin

CN Cemagyl

CN Cenetone

CN Cereon

CN Cergona

CN Cescorbat

CN Cetamid

CN Cetane

CN Cetane-Caps TC

CN Cetebe

CN Cetemican

CN Cevalin

CN Cevatine

CN Cevex

CN Cevimin

CN Cevital

CN Cevitamic acid

CN Cevitamin

CN Cevitan

CN **Vitamin C**

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY

FS STEREOSEARCH

DR 56533-05-2, 57304-74-2, 57606-40-3, 56172-55-5, 129940-97-2, 14536-17-5,
50976-75-5, 154170-90-8, 89924-69-6, 30208-61-8, 259133-78-3

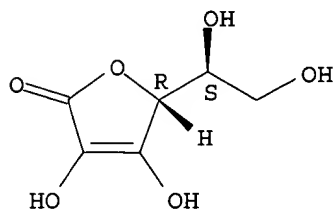
MF C6 H8 O6

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS,
BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB,

CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHM, CSNB, DDFU,
 DETHERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2,
 ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB,
 IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PHAR,
 PHARMASEARCH, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER,
 TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VETU, VTB
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.

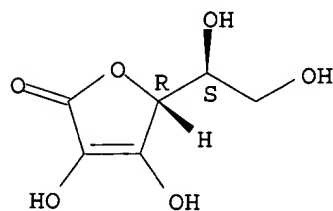


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

63152 REFERENCES IN FILE CA (1947 TO DATE)
 1274 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 63201 REFERENCES IN FILE CAPLUS (1947 TO DATE)
 12 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L14 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 134-03-2 REGISTRY
 CN L-Ascorbic acid, monosodium salt (8CI, 9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Ascorbic acid, sodium deriv. (6CI, 7CI)
 OTHER NAMES:
 CN 3-Oxo-L-gulofuranolactone sodium
 CN 57: PN: US20030109453 SEQID: 56 claimed sequence
 CN Ascorbic acid sodium salt
 CN Ascorbicin
 CN Ascorbin
 CN ASK-P 10KR
 CN Cebitate
 CN Cenolate
 CN CK 40
 CN CK 40 (ascorbate)
 CN E 301
 CN E 301 (antioxidant)
 CN HBL 508
 CN Iskia-C
 CN L-Ascorbic acid sodium salt
 CN Monosodium ascorbate
 CN Natrascorb
 CN Natri-C
 CN Sodascorbate
 CN **Sodium ascorbate**
 CN Sodium L-ascorbate
 CN Vitamin C sodium
 FS STEREOSEARCH
 DR 129940-98-3, 156683-68-0
 MF C6 H8 O6 . Na
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX,
 CHEMLIST, CIN, CSCHM, DIOGENES, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB,
 IPA, MRCK*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, TOXCENTER, USAN,
 USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)
 CRN (50-81-7)

Absolute stereochemistry.

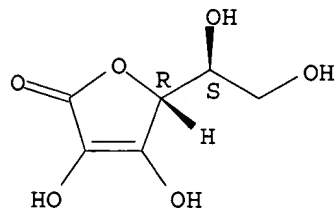


● Na

1883 REFERENCES IN FILE CA (1947 TO DATE)
 11 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1884 REFERENCES IN FILE CAPLUS (1947 TO DATE)
 17 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L17 "ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 5743-27-1 REGISTRY
 CN L-Ascorbic acid, calcium salt (2:1) (8CI, 9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN As-Cal
 CN Ascalan
 CN Ascorbic acid calcium salt
 CN Ascorvit CA
 CN Calcasorbin
 CN Calci-C
 CN Calcio
 CN Calcio-Ci
 CN **Calcium ascorbate**
 CN Calscorbate
 CN Erivit C
 CN Hemicalcium ascorbate
 CN L-Ascorbic acid calcium salt
 FS STEREOSEARCH
 DR 96653-51-9
 MF C6 H8 O6 . 1/2 Ca
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA,
 CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM,
 DIOGENES, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MRCK*,
 PHARMASEARCH, PROMT, TOXCENTER, USAN, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)
 CRN (50-81-7)

Absolute stereochemistry.



● 1/2 Ca

283 REFERENCES IN FILE CA (1947 TO DATE)
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 286 REFERENCES IN FILE CAPLUS (1947 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)